



# **TITLE: Item Unique Identification**

## **Presented To: SDR Committee**

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# What have we accomplished? (FY 2006)



- ▶ New releases of IUID Registry - improved error checking, additional GFP roles and interfaces
- ▶ Volume in IUID Registry increased almost 100%, from approximately 68K to over 670K (53% small businesses)
- ▶ Almost 600 business submitting records to the IUID Registry (50% of top 30 DoD suppliers)
- ▶ 75% of ACAT 1D IUID Program Plans successfully submitted and approved \*
- ▶ 43% of non-ACAT 1D IUID Program Plans successfully submitted and approved
- ▶ ISO 15434 Air Transport Association format code approved - enables implementation using one international standard to cover all commodity areas

**\* 13 ACAT 1D programs recently added.**



# What have we accomplished? (FY 2006)



- ▶ Replaced paper-based process for annual contractor reporting of GFP with IUID capabilities
- ▶ Proposed IUID DFARS Rule for GFP published, comments received, adjudicated, and pending review and approval at DARC prior to recommendation for final publication
- ▶ IUID Registry and Wide Area Workflow enhancements - established an initial electronic property transfer capability for GFP (paperless GFP 50% complete)
- ▶ Initial maintenance depot capability established (30% complete)
- ▶ With DAU, developed mandatory training for all 1102 (contracting) personnel
- ▶ Trained over 3,000 DoD program managers, contracting & quality control personnel, and industry partners on IUID policy and implementation issues and opportunities.



# Current IUID Registry enhancements



- ▶ Release 3.3 currently in test – deployment scheduled for December 2006
  - Adds support for item disposition (third party custody/retirement/disposal)
  - Improves edits
  - Streamlines access mechanisms to improve performance
  - Implements API to allow validation of UII syntax
  - Performance tracking



# What metrics are we tracking?



- ▶ IUID of all qualified items delivered to the Department of Defense – contract compliance
- ▶ Program Plan Progress – “Critical Mass” of personal property items registered
- ▶ Electronic “paperless” property management capability
  - Eliminate DD Form 1662, DoD Property in the Custody of Contractors
  - Integrate property transfers between DoD and contractors
  - Integrate Plant Clearance Automated Reutilization Screening System (PCARSS) and the Lost, Theft, Damaged and Destroyed (LTDD) system
  - Establish integration alternatives with Component property accountability systems
  - Enable Military Equipment Valuation in 2006



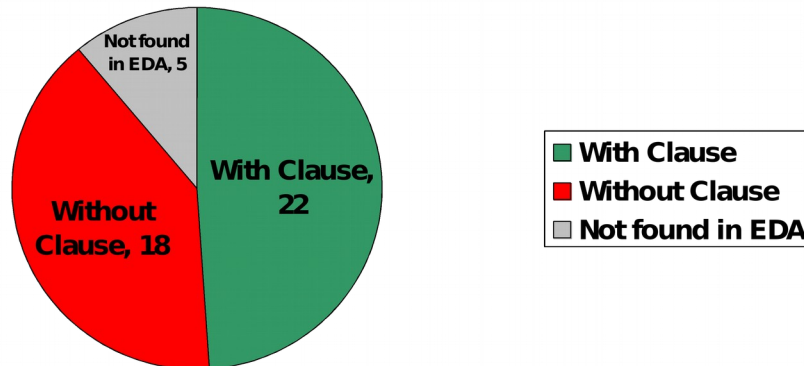
# UID contract compliance



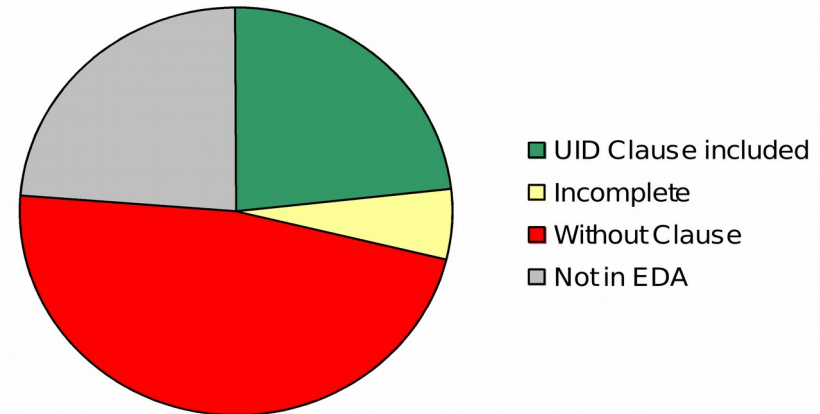
Sampled 382 supply contracts from  
June and July 2005

Adjusted total shows percentages  
weighted by component based on  
number of contracts

Number of Contracts



Sampled 45 of 526 contracts *with*  
*delivered UIIs*



Statistical Measures

- ▶ 95% Confidence Interval Shown
- ▶ Compliance By Component
  - Army\* 27.0% ± 8.5%
  - Navy/MC\* 16.3% ± 7.7%
  - Air Force 75.4% ± 9.4%
  - DLA 0% ± 2.9%



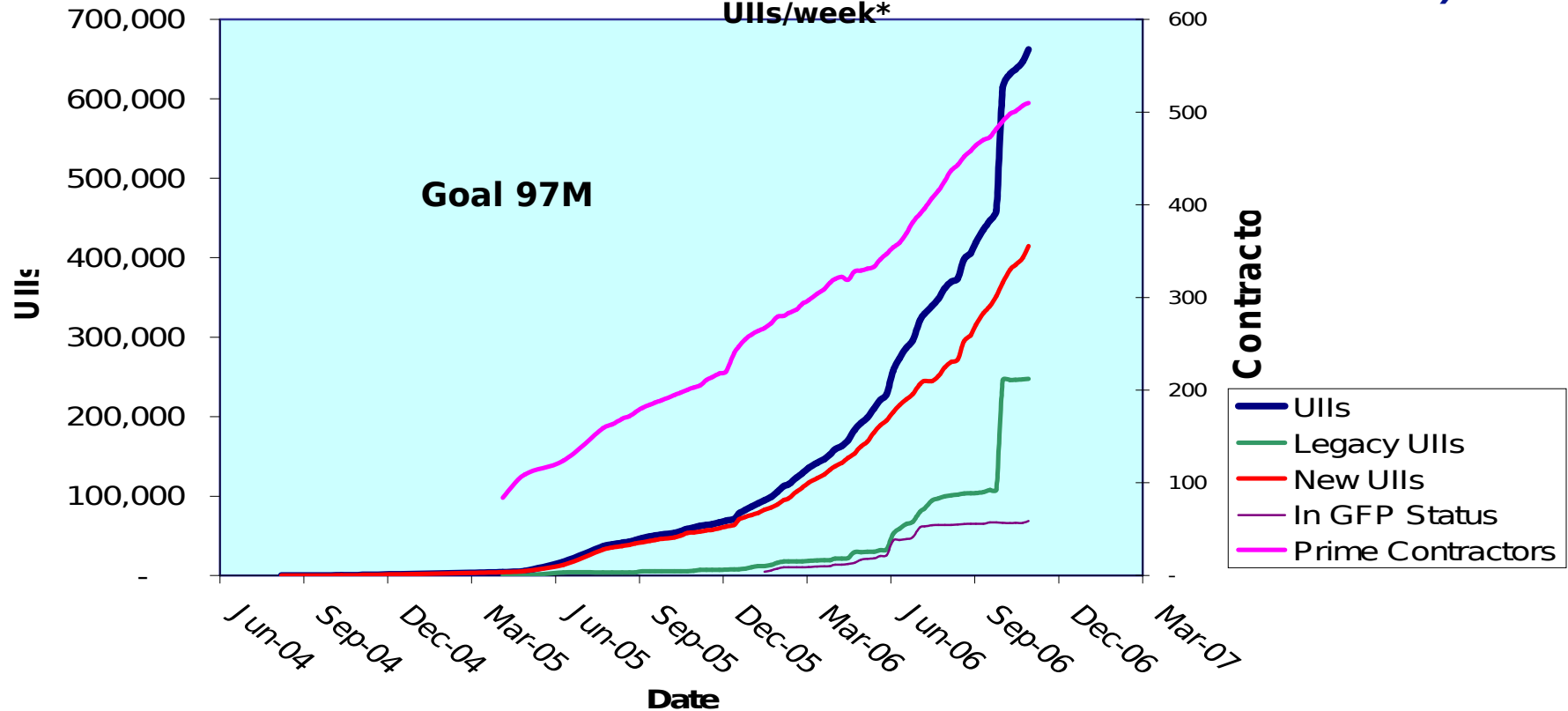
# IUID Registry statistics (critical mass)



## IUID Registry Population

•Growth rate over 11,000 new  
UIIs/week\*

*(data as of 1 November  
2006)*





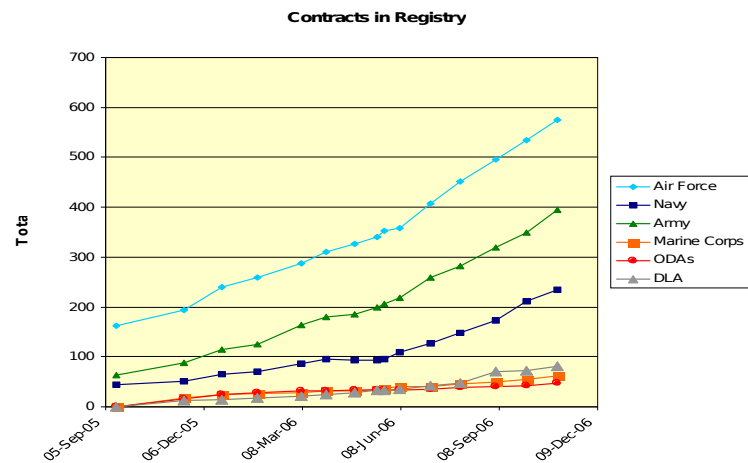
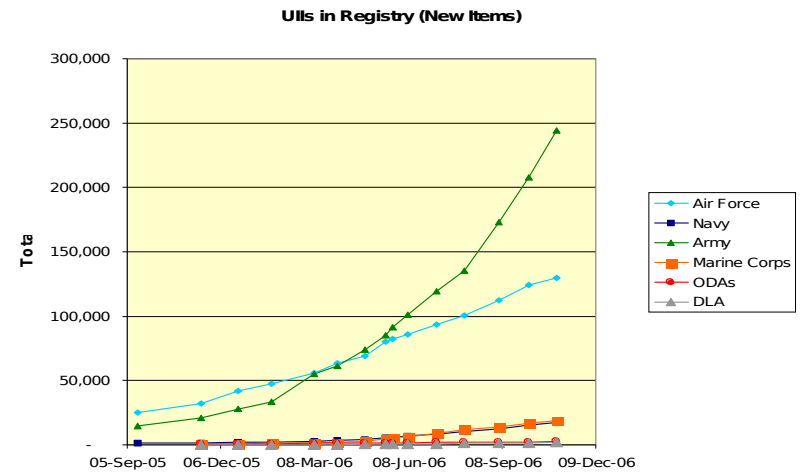
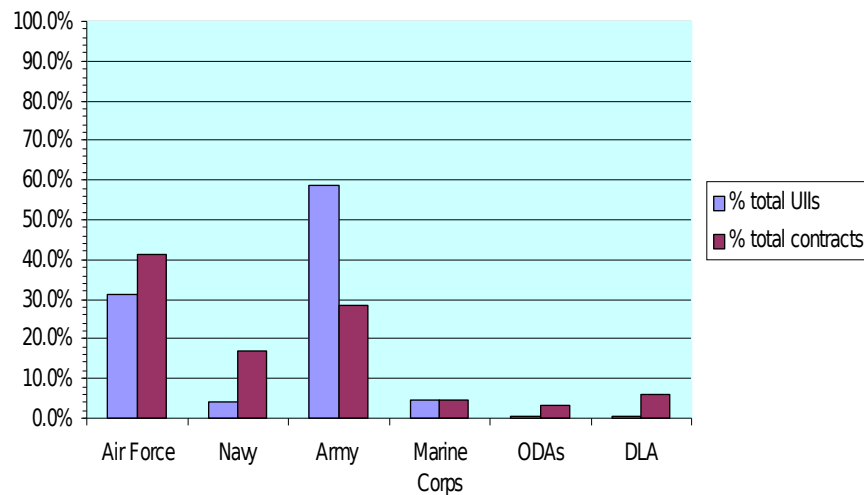


# IUID Registry statistics (by component)



*(data as of 1 November  
2006)*

**Data Submission by Component  
(New UIIs)**







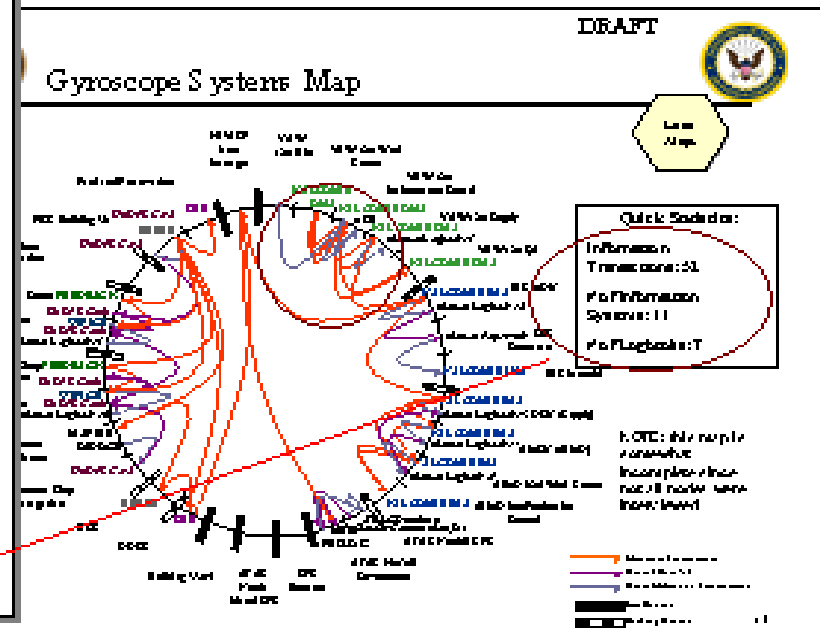
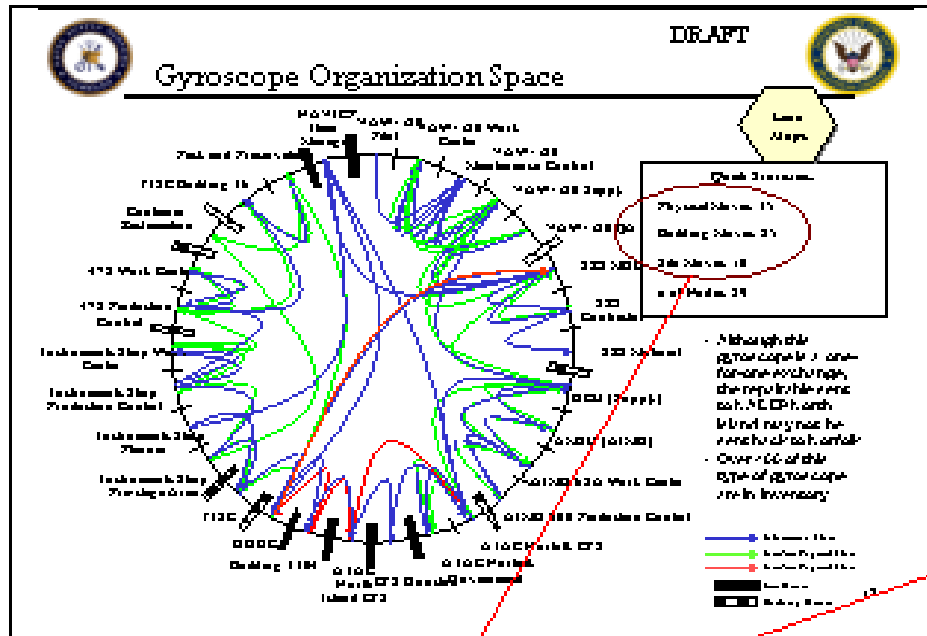
# DFARS Rule - IUID of GFP (status)



- ▶ Proposed DFARS Rule Published March 21, 2006, comments received May 22, 2006 [DFARS Case 2005-D015]
  - Under revision to address “significant” comments
  - Under revision to revise format
  - Pending approval to publish final rule
- ▶ Pending next IUID Registry release, maintain changes for Sept 30 synchronization.
- ▶ Will be in all solicitations and contracts and replaces DFARS 252.245-7001, Reports of Government Property
  - PAs will request balances for analysis and risk assessment, if necessary
  - PAs will check during the reconciliation (if any) that UID items are accurately reflected in the stewardship records and IUID Registry
  - PA certification of total items and total dollars ends with DD1662 elimination



# What is the current property transfer environment?



- 35 Physical Moves
- 25 Building Moves
- 10 Sites Moves
- 52 IT Transactions
- 11 Info Systems
- 7 Logbooks

- *No End-to-End Management*
- *Lack of Visibility*
- *Long-Cycle Times*
- *Increased Inventory Levels*
- *Limited Ability to Forecast*



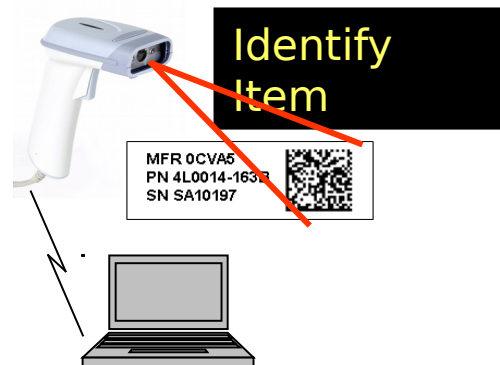
# Where are we going?

Re-engineering acquisition, finance, logistics business rules to -

**Uniquely Identify Items + Track Items =**

**Management Information**

$$I + T = M$$





# How are we getting there?



## Using a central registry of items (audit hub)

**IUID Registry**



## Capturing data in Wide Area Workflow

**WAWF**



## Working with industry and the maintenance depots to find value

- Enhanced asset visibility
- Improved life cycle management
- More accurate accountability

## Re-engineering business rules; Mandatory DFARS Clause

- Item identification
- Marking practices
- Technical data
- Data exchange



# Planned IUID Registry enhancements



- ▶ Improved access rules for Government and for Contractors in support roles
- ▶ Corrections processing
- ▶ Warranty data capture
- ▶ Disposition data enhancements
  - Capture for out of service events (e.g. mothballed)
  - Return to service after disposition
- ▶ Improved handling of “Mark” data
- ▶ Additional reporting capabilities



# Electronic Property Management Capability

## (I + T = M)



### STEP 1: Mark Items



WAWF



IUID Registry

### Unique Item Identifier (UII)

- Class I - Subsistence
- Class II - Clothing & Individual Equip
- Class III - Fuels & Petroleum (Packaged)
- Class IV - Construction (Installed Equip)
- Class V - Ammunition
- Class VII - Major Items
- Class VIII - Medical
- Class IX - Repairables

### Estimated Scope of UII Coverage

Metric	Quantity (millions)
UII Items in DoD Inventory	67.7
Property in Possession of Contractors	29.5
Total UIIs	97.2

### STEP 2: Register Data

### STEP 3: Automatic Data Capture

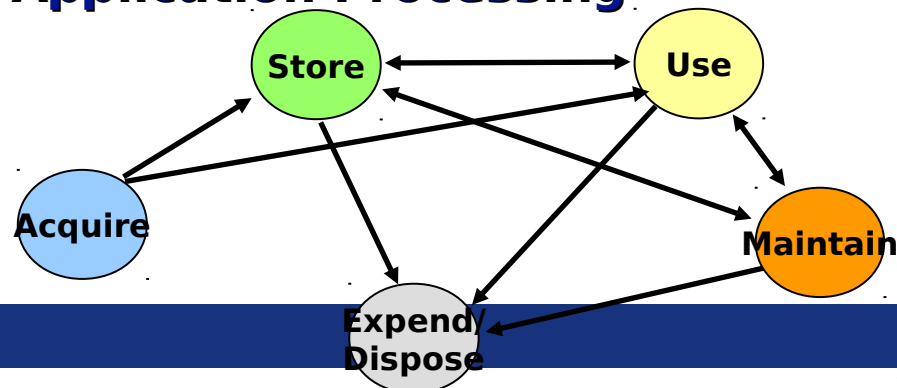


Retrieval

Updates

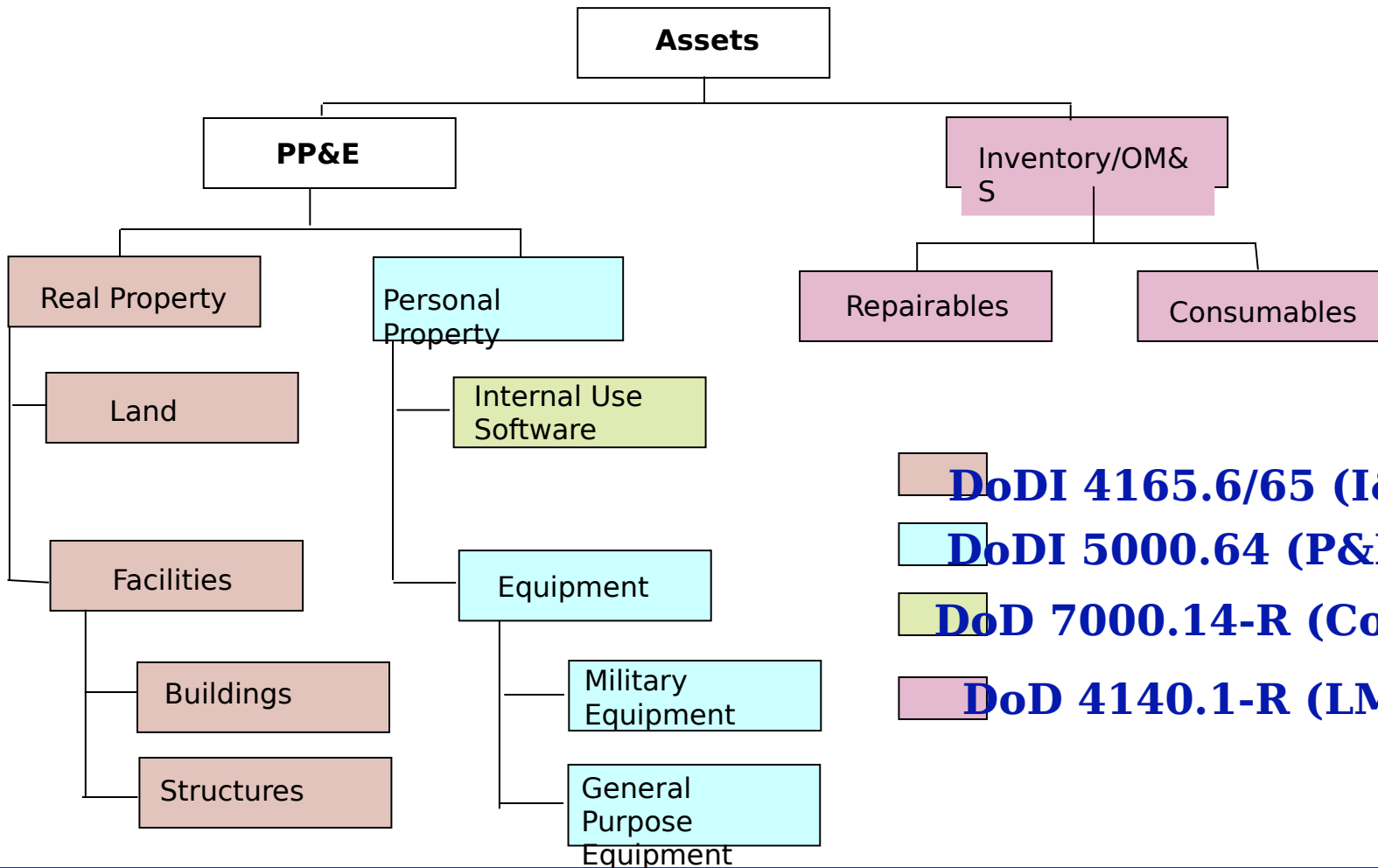
Transactions

### STEP 4: Application Processing





# Synchronizing UID/RFID/SIM Policy



**DoDI 4165.6/65 (I&E)**

**DoDI 5000.64 (P&E Policy)**

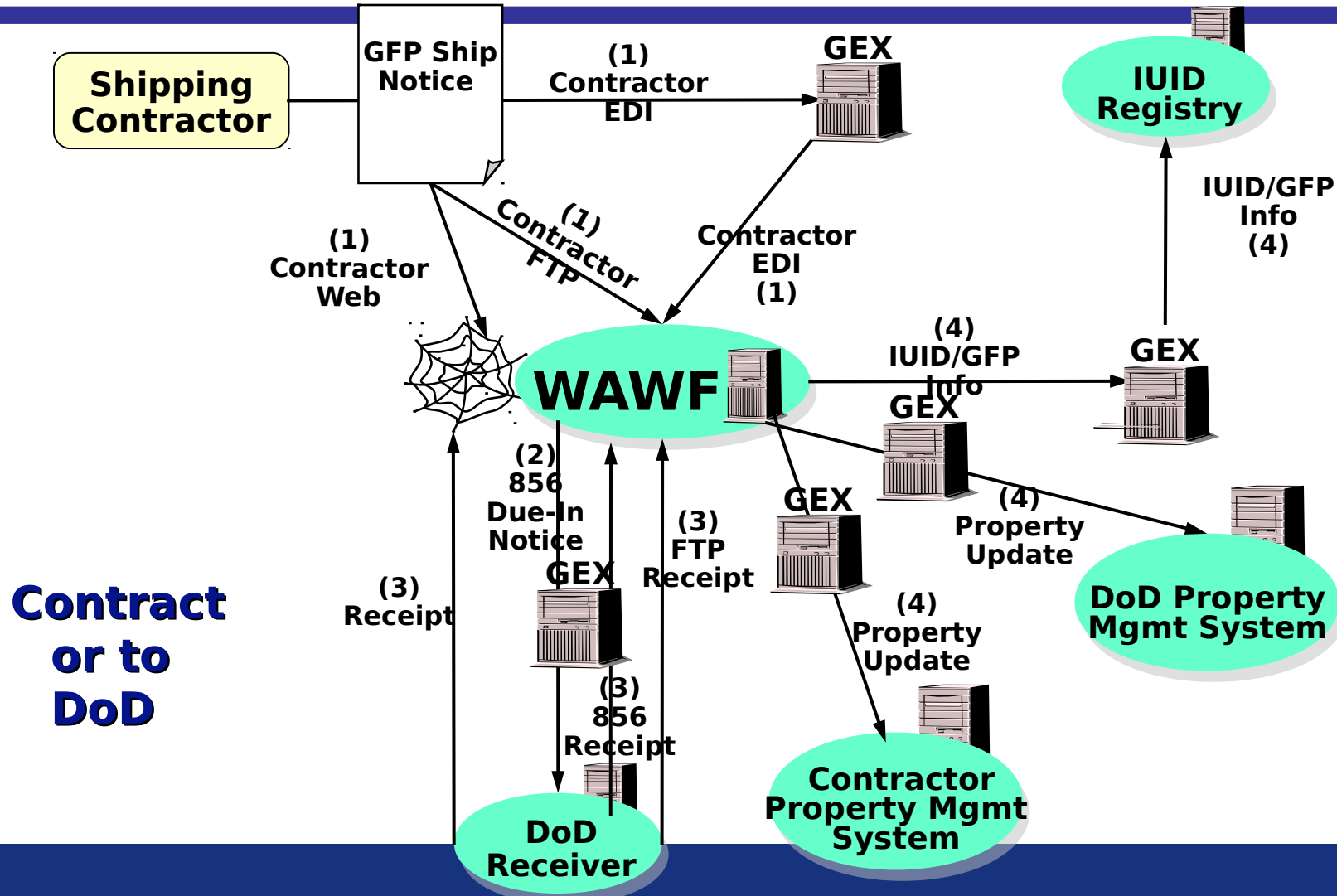
**DoD 7000.14-R (Comptroller)**

**DoD 4140.1-R (LM&R)**



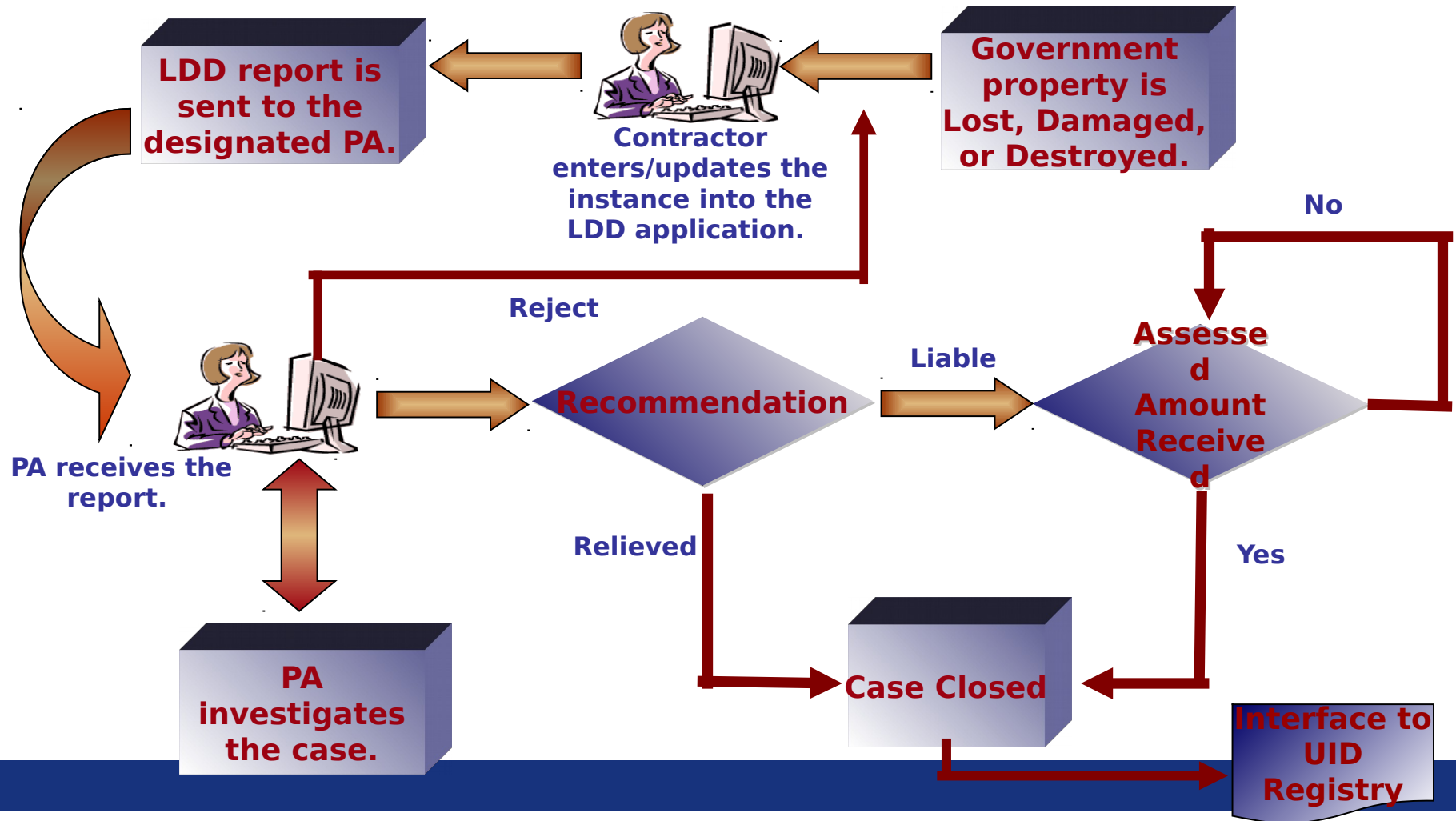


# Property System Integration



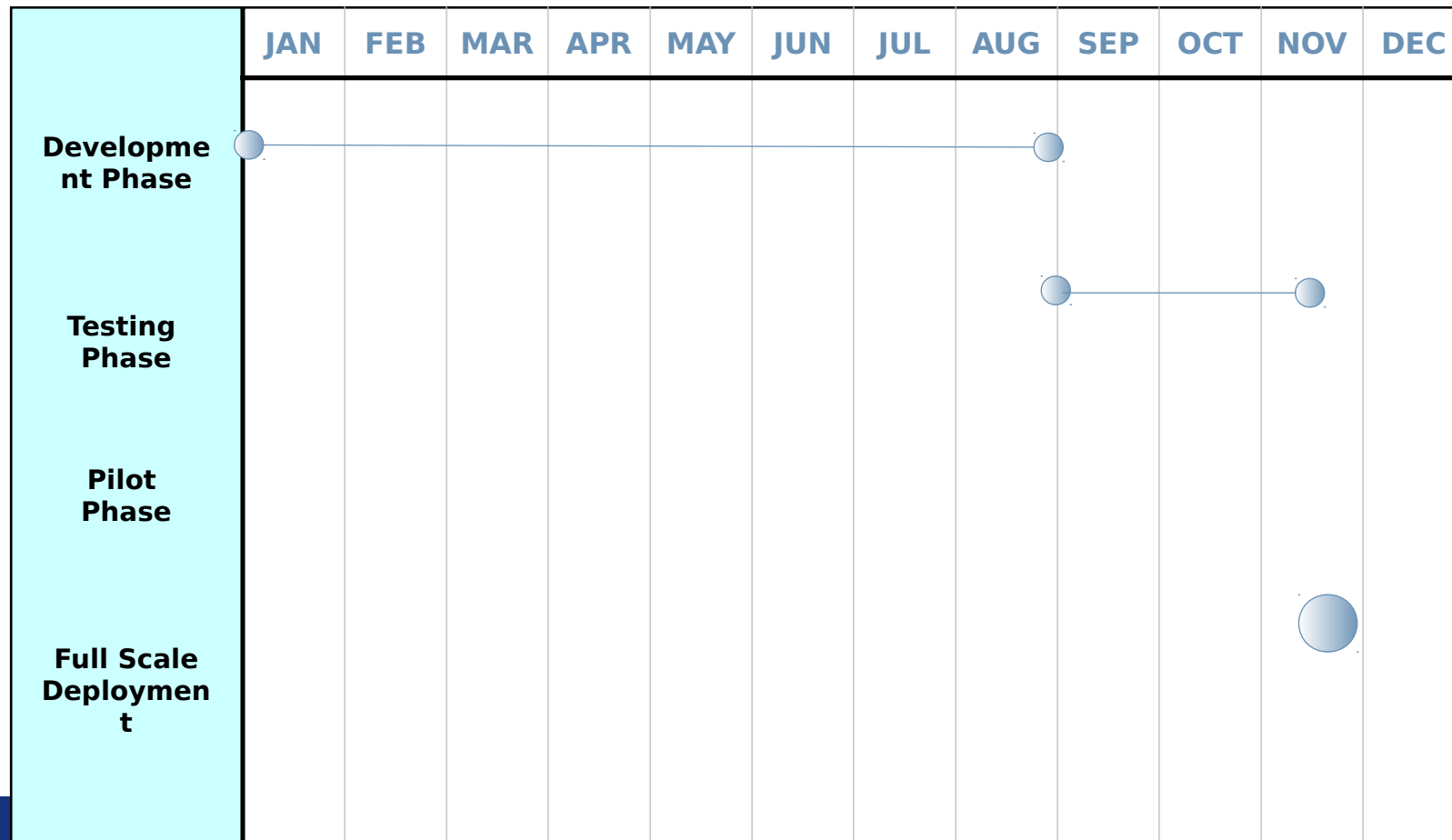
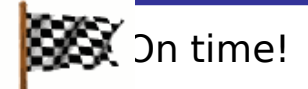


# Lost, Theft, Damaged and Destroyed (LTDD)





# LTDD Schedule





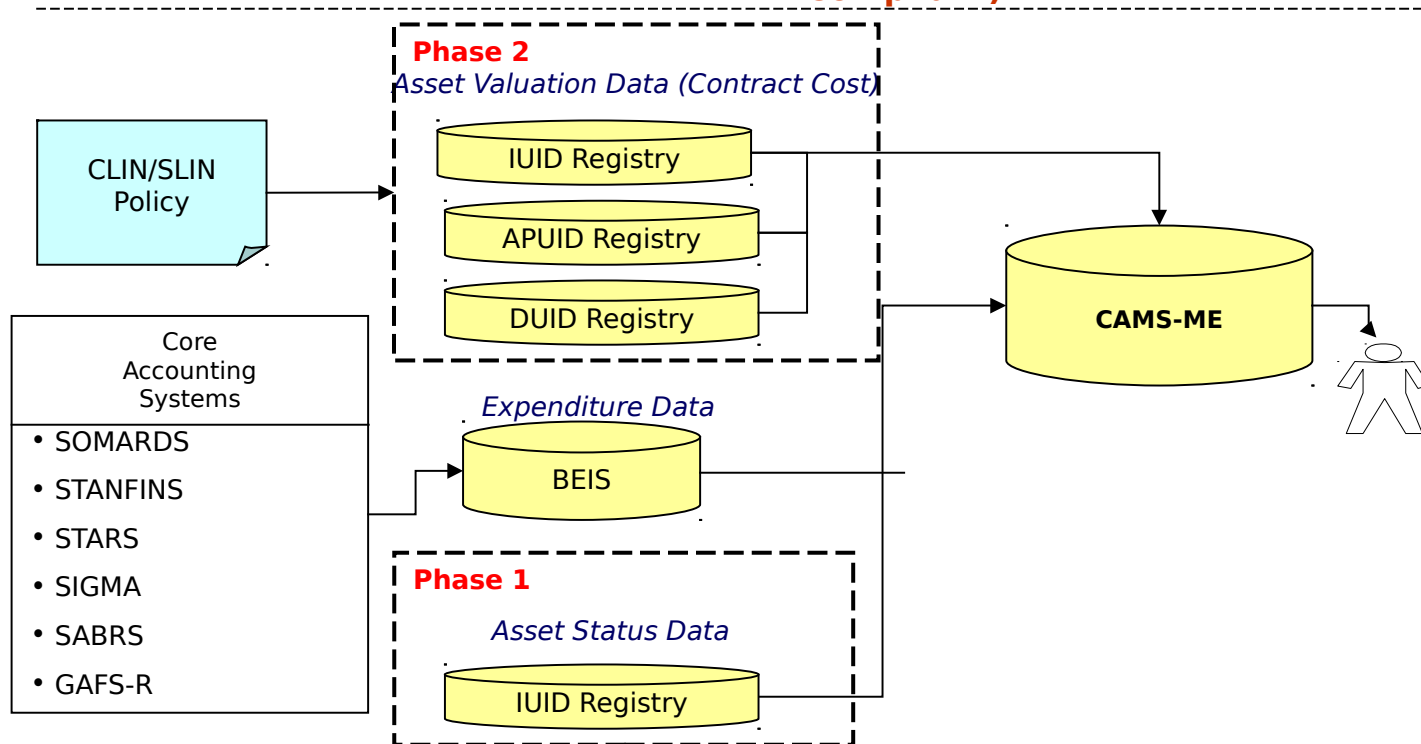
# Capital Asset Management System-Military Equipment (CAMS-ME)



**Increment 2 will be SFFAS 6 Compliant**

**Increment 2**

**(Contract Cost System - SFFAS 6 Compliant)**





# Priorities Identified by Components



- ▶ Mark Items, Training, Training, Training
- ▶ Define program requirements & get DFARS clause in contracts – focus on training and compliance
- ▶ Reinforce budgets for IUID and emphasis Program Plans
- ▶ Integrate item marking, tracking and management policy across finance, logistics and acquisition and synchronize policies
- ▶ Determine top level IUID ERP requirements
- ▶ Facilitate global standards



# Questions?

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## ▶ IUID Toolkit

- **Four tracks: PMs, Suppliers, Depot, Operational Maintenance**
- <http://www.iuidtoolkit.com>

## ▶ DAU UID Special Interest Area

- **Within Acquisition Community Connection**
- <https://acc.dau.mil/uid>

## ▶ UID Website

- <http://www.acq.osd.mil/dpap/UID/>